UNIT III

HOW TO PERFORM RCM

Module 1

RCM SOFTWARE REVIEW

RCM SOFTWARE REVIEW

Module Preview:

Introduction

- **Introduction**
- **Using Software**
- **Review and Summary**
- **Software Demonstration**

RCM SOFTWARE REVIEW

Module Objective:

Introduction

Provide a basic overview of the Integrated Reliability-Centered Maintenance System (IRCMS) Software

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Software:

Introduction

What is IRCMS?

- **Software tool developed for the NAVAL AIR SYSTEMS COMMAND for performing analysis.**
- **Based on the NAVAIR 00-25-403 RCM Process**
- **Effectively used on aircraft and a wide range of industrial equipment**

IRCMS IS ONLY A TOOL!

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Technical Support:

Introduction

- **On-line Help System (in IRCMS)**
- **Software User's Manual**

Updates available on the web

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Main Windows:

Using Software

Main Menu is divided into five main sections:

- **Main Menu**
- **Toolbar**
- **Hardware Breakdown pane**
- **FMECA & RCM Information pane**
- **To Do List pane**

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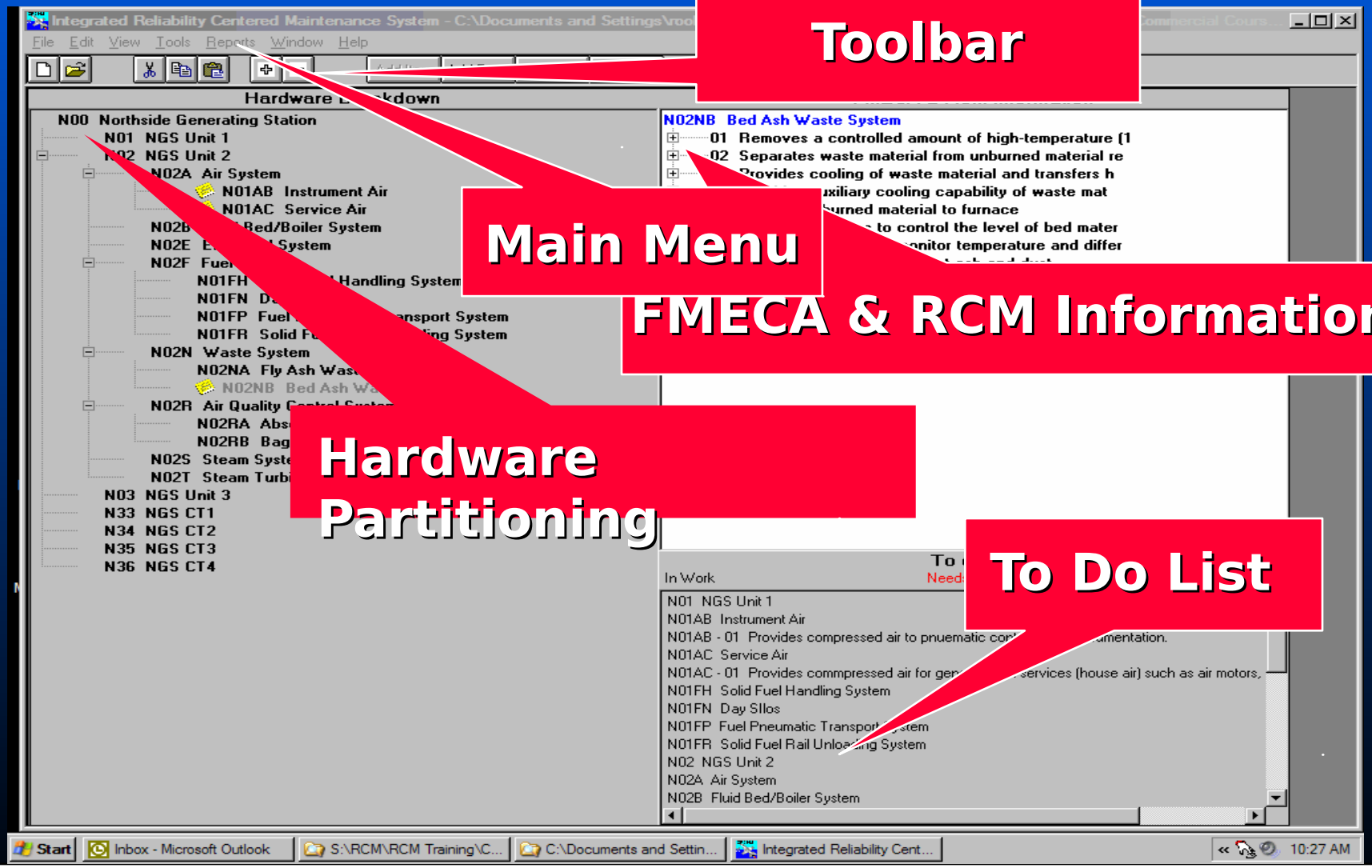
Main Windows:

Using Software


Integrated Reliability Centered Maintenance System - C:\Documents and Settings\root
File Edit View Tools Reports Window Help
Hardware Breakdown
N00 Northside Generating Station
N01 NGS Unit 1
N02 NGS Unit 2
N02A Air System
N01AB Instrument Air
N01AC Service Air
N02B Bed/Boiler System
N02E System
N02F Fuel
N01FH Handling System
N01FN Da
N01FP Fuel nsport System
N01FR Solid Fu ling System
N02N Waste System
N02NA Fly Ash Was
N02NB Bed Ash Wa
N02R Air Quality Control Syste
N02RA Abs
N02RB Bag
N02S Steam Syste
N02T Steam Turbi
N03 NGS Unit 3
N33 NGS CT1
N34 NGS CT2
N35 NGS CT3
N36 NGS CT4
N02NB Bed Ash Waste System
01 Removes a controlled amount of high-temperature (1
02 Separates waste material from unburned material re
Provides cooling of waste material and transfers h
uxiliary cooling capability of waste mat
urned material to furnace
to control the level of bed mater
onitor temperature and differ
To
In Work
Need
N01 NGS Unit 1
N01AB Instrument Air
N01AB - 01 Provides compressed air to pnuematic con umentation.
N01AC Service Air
N01AC - 01 Provides commpressed air for ger services (house air) such as air motors,
N01FH Solid Fuel Handling System
N01FN Day Silos
N01FP Fuel Pneumatic Transport ystem
N01FR Solid Fuel Rail Unloading System
N02 NGS Unit 2
N02A Air System
N02B Fluid Bed/Boiler System
Start
Inbox - Microsoft Outlook
S:\RCM\RCM Training\C...
C:\Documents and Settin...
Integrated Reliability Cent...
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Toolbar

Main Menu

FMECA & RCM Information

Hardware Partitioning

To Do List

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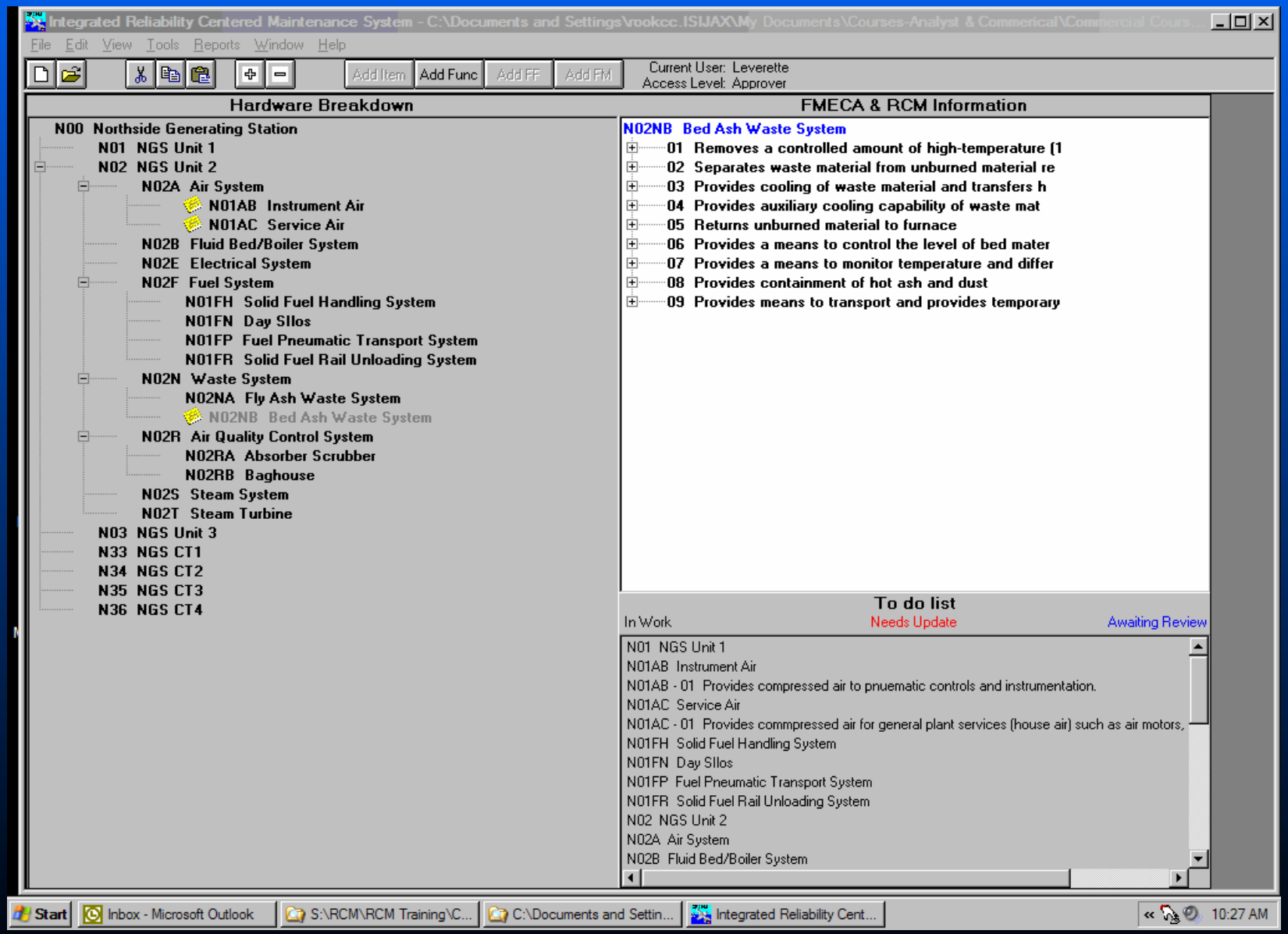
Integrated Reliability Centered Maintenance System - C:\Documents and Settings\rookcc.ISIJAX\My Documents\Courses-Analyst & Commerical\Commercial Cours...
File Edit View Tools Reports Window Help
Add Item
Add Func
Add FF
Add FM
Current User: Leverette
Access Level: Approver
Hardware Breakdown
N00 Northside Generating Station
N01 NGS Unit 1
N02 NGS Unit 2
N02A Air System
N01AB Instrument Air
N01AC Service Air
N02B Fluid Bed/Boiler System
N02E Electrical System
N02F Fuel System
N01FH Solid Fuel Handling System
N01FN Day SIlos
N01FP Fuel Pneumatic Transport System
N01FR Solid Fuel Rail Unloading System
N02N Waste System
N02NA Fly Ash Waste System
N02NB Bed Ash Waste System
N02R Air Quality Control System
N02RA Absorber Scrubber
N02RB Baghouse
N02S Steam System
N02T Steam Turbine
N03 NGS Unit 3
N33 NGS CT1
N34 NGS CT2
N35 NGS CT3
N36 NGS CT4
FMECA & RCM Information
N02NB Bed Ash Waste System
01 Removes a controlled amount of high-temperature (1
02 Separates waste material from unburned material re
03 Provides cooling of waste material and transfers h
04 Provides auxiliary cooling capability of waste mat
05 Returns unburned material to furnace
06 Provides a means to control the level of bed mater
07 Provides a means to monitor temperature and differ
08 Provides containment of hot ash and dust
09 Provides means to transport and provides temporary
To do list
In Work
Needs Update
Awaiting Review
N01 NGS Unit 1
N01AB Instrument Air
N01AB - 01 Provides compressed air to pnuematic controls and instrumentation.
N01AC Service Air
N01AC - 01 Provides commpressed air for general plant services (house air) such as air motors,
N01FH Solid Fuel Handling System
N01FN Day SIlos
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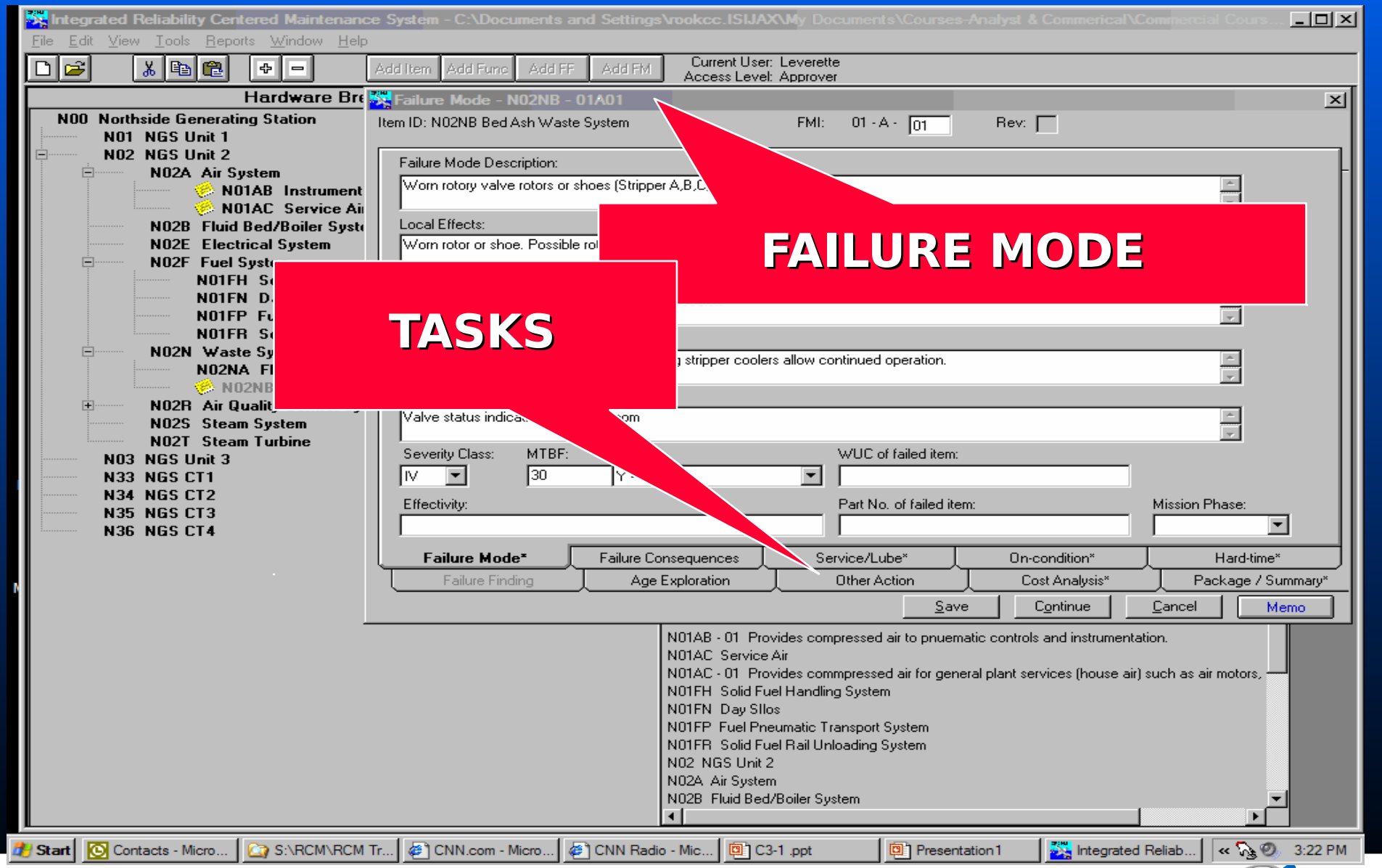

FAILURE MODE

TASKS

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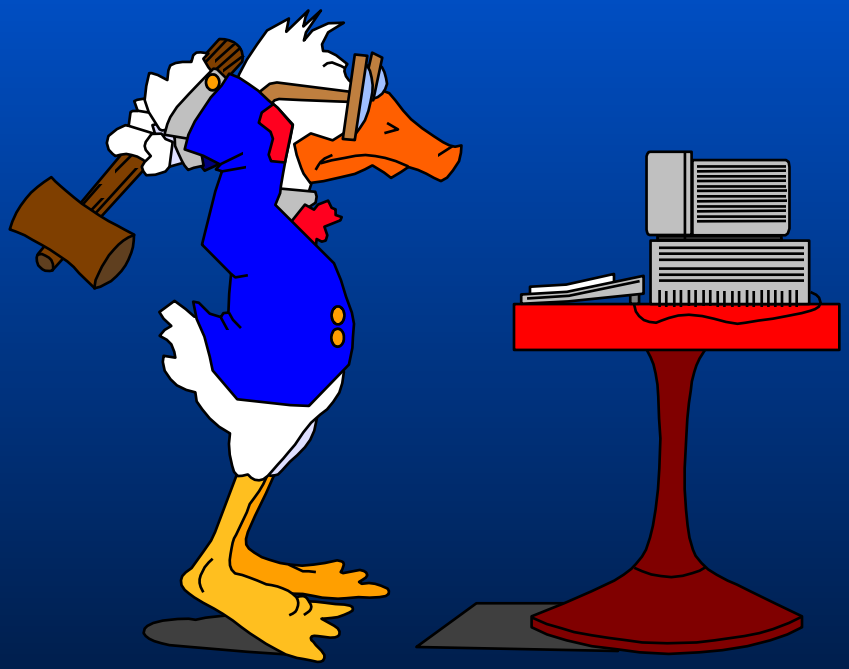
RCM SOFTWARE REVIEW

Review and Summary

- **Module Objective**
  - Give a basic understanding of the IRCMS software
- **Introduction**
  - Learning Objectives
- **Operating Requirements**
  - Configuration
  - References
- **Using ICRMS**
  - Project
  - IRCMS Windows
  - Reports

RCM SOFTWARE REVIEW

Software Demo



End of Module Power Points

up next

Software Demo & Work Shop